

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371		ATTORNEY'S DOCKET NUMBER P63235 WO 016P U.S. APPLICATION NO. (if known, see 37 CFR 1.5) 10/550657
INTERNATIONAL APPLICATION NO. PCT/US 2004/06607	INTERNATIONAL FILING DATE 03-22-2004	PRIORITY DATE CLAIMED 03-24-2003
TITLE OF INVENTION Self-Renewal in Regulation of Self-Renewal in Stem Cells		
APPLICANT(S) FOR DO/EO/US Klug, Christopher A.		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> 1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. 2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. 3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. 4. <input type="checkbox"/> The US has been elected (Article 31). 5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2)) <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> has been communicated by the International Bureau. c. <input checked="" type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US). 6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). <ol style="list-style-type: none"> a. <input type="checkbox"/> is attached hereto. b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4). 7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) <ol style="list-style-type: none"> a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau). b. <input type="checkbox"/> have been communicated by the International Bureau. c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired. d. <input type="checkbox"/> have not been made and will not be made. 8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). 9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). 10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)). 		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> 11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98. 12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. 13. <input checked="" type="checkbox"/> A preliminary amendment. 14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76. 15. <input type="checkbox"/> A substitute specification. 16. <input checked="" type="checkbox"/> A power of attorney and/or change of address letter. 17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. 18. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4). 19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4). 		

JC20 Rec'd PCT/PTO 26 SEP 2011

PTO-1390 (REV. 07-2005)

Approved for use through 3/31/2007. OMB 0651-0021

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U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/550657		INTERNATIONAL APPLICATION NO. PCT/US2004/06607		ATTORNEY'S DOCKET NUMBER P63235 WO016P	
20. Other items or information:					
The following fees have been submitted				CALCULATIONS	PTO USE ONLY
21. <input checked="" type="checkbox"/> Basic national fee (37 CFR 1.492(a))..... \$300				\$ 300.00	
22. <input checked="" type="checkbox"/> Examination fee (37 CFR 1.492(c))					
If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
All other situations..... \$200				200.00	
23. <input checked="" type="checkbox"/> Search fee (37 CFR 1.492(b))					
If the written opinion of the ISA/US or the International preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)..... \$0					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority..... \$100				\$ 100.00	
International Search Report prepared by an ISA other than the US and provided to the Office or previously communicated to the US by the IB..... \$400					
All other situations..... \$500					
TOTAL OF 21, 22 and 23 =				600.00	
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250	\$ 0	
Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).				\$	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$	
Total claims	29 - 20 =	9	x \$ 50	\$ 450.00	
Independent claims	1 - 3 =	0	x \$200	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$360	\$	
TOTAL OF ABOVE CALCULATIONS =				\$ 1050.00	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.					
SUBTOTAL =				\$ 525.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).				\$ 0	
TOTAL NATIONAL FEE =				\$ 525.00	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				\$ 40.00	
TOTAL FEES ENCLOSED =				\$ 565.00	
				Amount to be refunded:	\$
				Amount to be charged	\$

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- IC20 Rec'd PCT/PTO 26 SEP 2009**
- a. ☐ A check in the amount of \$ _____ to cover the above fees is enclosed.
- b. ☒ Please charge my Deposit Account No. 50-0954 in the amount of \$ 565.00 to cover the above fees.
A duplicate copy of this sheet is enclosed.
- c. ☐ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. _____. A duplicate copy of this sheet is enclosed.
- d. ☐ Fees are to be charged to a credit card. **WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:



SIGNATURE

T. Gregory Peterson

NAME

45,567

REGISTRATION NUMBER

JC20 Rec'd PCT/PTO 2 6 SEP 2005

CERTIFICATE OF EXPRESS MAILING

I hereby certify that the following items are enclosed:

- | | | | |
|----|---|----------|-------|
| 1. | Cover Letter (including this page) | <u>3</u> | pages |
| 2. | Preliminary Amendment | <u>5</u> | pages |
| 3. | Information Disclosure Statement (with 2 ref) | <u>4</u> | pages |
| 4. | Transmittal Form | <u>3</u> | pages |
| 5. | Assignment Document | <u>3</u> | pages |
| 6. | Declaration and Power of Attorney | <u>2</u> | pages |

Total 6 Documents**20 pages**

and are being deposited with the "Express Mail Post Office to Addressee" service of the United States Postal Service in an envelope marked **EV387960829US** addressed to Commissioner for Patents, PO Box 1450, Alexandria VA 22313-1450 on **September 26, 2005**.

Date: 9-26-05

T. Gregory Peterson
Registration No. 45,587**AUTHORIZATION TO CHARGE
DEPOSIT ACCOUNT**

The Commissioner is authorized to pay any charges, fees, or sums due in connection with this correspondence, I hereby authorize the Commissioner of Patents and Trademarks to charge all such remaining fees, charges, and other sums due to Deposit Account Number 50-0954.



T. Gregory Peterson
Authorized User of Deposit Account 50-0954



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10/550657

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T. Gregory Peterson, Ph.D.

September 26, 2005

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Alexandria, VA 22313-1450

**NATIONAL PHASE APPLICATION OF PCT/US2004/08607
UNDER 35 USC 371 TITLED REGULATION OF SELF-RENEWAL
IN STEM CELLS**

Applicant:	KLUG, Christopher A.
Serial No.:	New Application
Filed:	9-26-2005
Int. Filing Date:	March 22, 2004
Priority Date:	March 24, 2003

Dear Sir:

Enclosed herewith are the following:

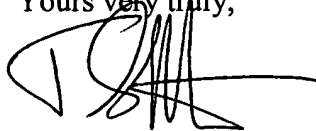
- (1) A Preliminary Amendment to the national phase application of PCT/US2004/08607 titled **REGULATION OF SELF-RENEWAL IN STEM CELLS**;
- (2) Information Disclosure Statement for the above referenced application;
- (3) Transmittal Letter to the United States Designated/Elected Office concerning a submission under 35 USC 371;
- (4) Assignment Document; and
- (5) Declaration and Power of attorney.

U.S. Patent and Trademark Office
September 26, 2005
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Thank you for your cooperation and assistance in this matter. Please do not hesitate to call if you have any questions.

Yours very truly,

A handwritten signature in black ink, appearing to be 'TGP', with a long horizontal line extending to the right.

T. Gregory Peterson, Ph.D.
Registration No. 45,587

TGP/tgp
Enclosures

cc: William White (with enclosures)
Christopher A. Klug, Ph.D. (with enclosures)